

IN THE ABSTRACT

~~The present invention provides a capillary electrophoresis system comprising: a wafer part having passages filled with buffer solution for introducing sample solutions; a body having a configuration suitable to removably hold and to move said wafer part attached in a relative manner, wherein said body includes: first and second electrodes for applying a voltage across both ends of passages of said wafer part to separate and take out said sample solution; and first and second buffer reservoirs conductive to said passages of said wafer part at a specific position for filling buffer solution around said first and second electrodes. The system in accordance with the present invention facilitate washing of electrophoresis passages and allows the time and labor cost required for replacement of the fused silica wafers. The system also simplifies the operation of sample introducing to allow a plurality of sample solutions to be analyzed in a shorter time.~~includes a wafer-shaped part having passages filled with a buffer solution for introducing sample solutions; a body having a configuration suitable to removably hold and to move the wafer-shaped part. The body

includes first and second electrodes for applying a voltage across both ends of passages of the wafer-shaped part to separate and remove the sample solution. The body also includes first and second buffer reservoirs conductive to passages of the wafer-shaped part at specific positions for filling buffer solution around the first and second electrodes. The system according to the present invention facilitates washing of electrophoresis passages and reduces the time and labor costs required for replacement of the fused-silica wafers and simplifies operation by allowing a plurality of sample solutions to be analyzed more quickly.